

How to Customize UWP Applications via Manifest Edits



Requirements

- ❖ A Windows PC (Minimum : Windows 7 SP1)

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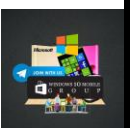
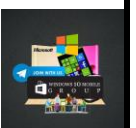


Table Of Contents.....

1) Introduction	Page 03
2) Preparations	Page 03
3) How to Change Application Display name	Page 04
• Change App List Display name	Page 04
• Change Tile Display name	Page 05
4) How to Change Tile Colors	Page 06
5) How to Change Splash Screen Color	Page 08
6) How to Add a Splash Screen	Page 10
7) How to Repack the Modified Application	Page 12
8) #Related Guides	Page 13
9) Additional Notes	Page 14
10) Credits	Page 14



Introduction

Welcome to the Manifest Edit Guide.

You can change the Manifest of the Applications to change their appearances to your liking if the default settings are not so pleasing to you.

#Beware : Whatever changes done to the manifest needs a full repack and a reinstallation of the app using the repacked Modified Package.

Preparations

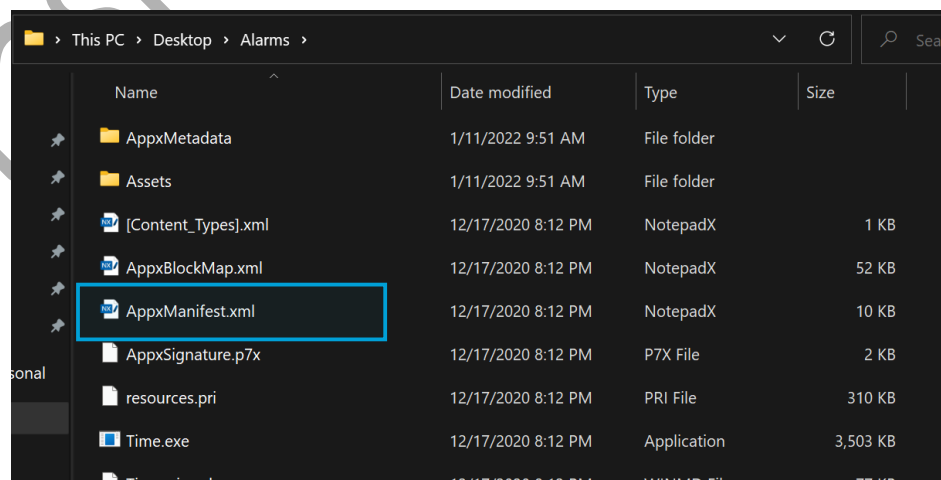
If you have the Appx/Bundle of the Application you are going to modify ;

- Rename it to .zip
- Extract the whole contents of the Package to anywhere in your PC (If it's AppxBundle file, then open the "ARM" Appx File and extract it's contents)

If you extracted it from your Phone using Apps Data Manager or Windows Universal tools ;

- Extract the ZIP package to anywhere in your PC.

Either way, what you have to do is open the "**AppxManifest.xml**" file which is among the Package Data using any Text Editor.



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How to Change Application Display name

There are two options for this.

Change App List Display name

Using this edit, the Application name which is displayed in alphabetical App list will be changed.

> Open “AppxManifest.xml” file

> Find “DisplayName” inside the “VisualElements” tag.

HINT !

Use “CTRL + F” to find this if you are having a hard time locating it in manifest file



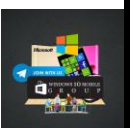
```

AppxManifest.xml - Notepad
File Edit Format View Help
</uap:Extension>
<uap:Extension Category="windows.search" />
<uap:Extension Category="windows.personalAssistantLaunch" />
<uap:Extension Category="windows.shareTarget">
  <uap:ShareTarget>
    <uap:SupportedFileTypes>
      <uap:SupportsAnyFileType />
    </uap:SupportedFileTypes>
  </uap:ShareTarget>
</uap:Extension>
</Extensions>
<uap:VisualElements DisplayName="8 Zip" Square150x150Logo="Assets\Logo.png" Square44x44Logo="Assets\SmallLogo.png"
  <uap:DefaultTile ShortName="8 Zip" Square310x310Logo="Assets\Logo310.png" Wide310x150Logo="Assets\WideLogo.png"
    <uap:ShowNameOnTiles>
      <uap:ShowOn Tile="square150x150Logo" />
      <uap:ShowOn Tile="wide310x150Logo" />
      <uap:ShowOn Tile="square310x310Logo" />
    </uap:ShowNameOnTiles>
  </uap:DefaultTile>
  <uap:SplashScreen Image="Assets\SplashScreen.png" BackgroundColor="transparent" />
</uap:VisualElements>
</Application>
</Applications>
<Extensions>
  <Extension Category="windows.activatableClass.inProcessServer">
    <InProcessServer>
      <Path>MatroskaSource.dll</Path>
      <ActivatableClass ActivatableClassId="MatroskaSource.MatroskaByteStreamHandler" ThreadingModel="both" />
    </InProcessServer>
  </Extension>
  <Extension Category="windows.activatableClass.inProcessServer">
    <InProcessServer>

```

Change the text inside the quotes (Highlighted area in the pic) to the name you want to give to the application.

Then save the file & proceed to next edits or Repack the Package to Install.



Change Tile Display name

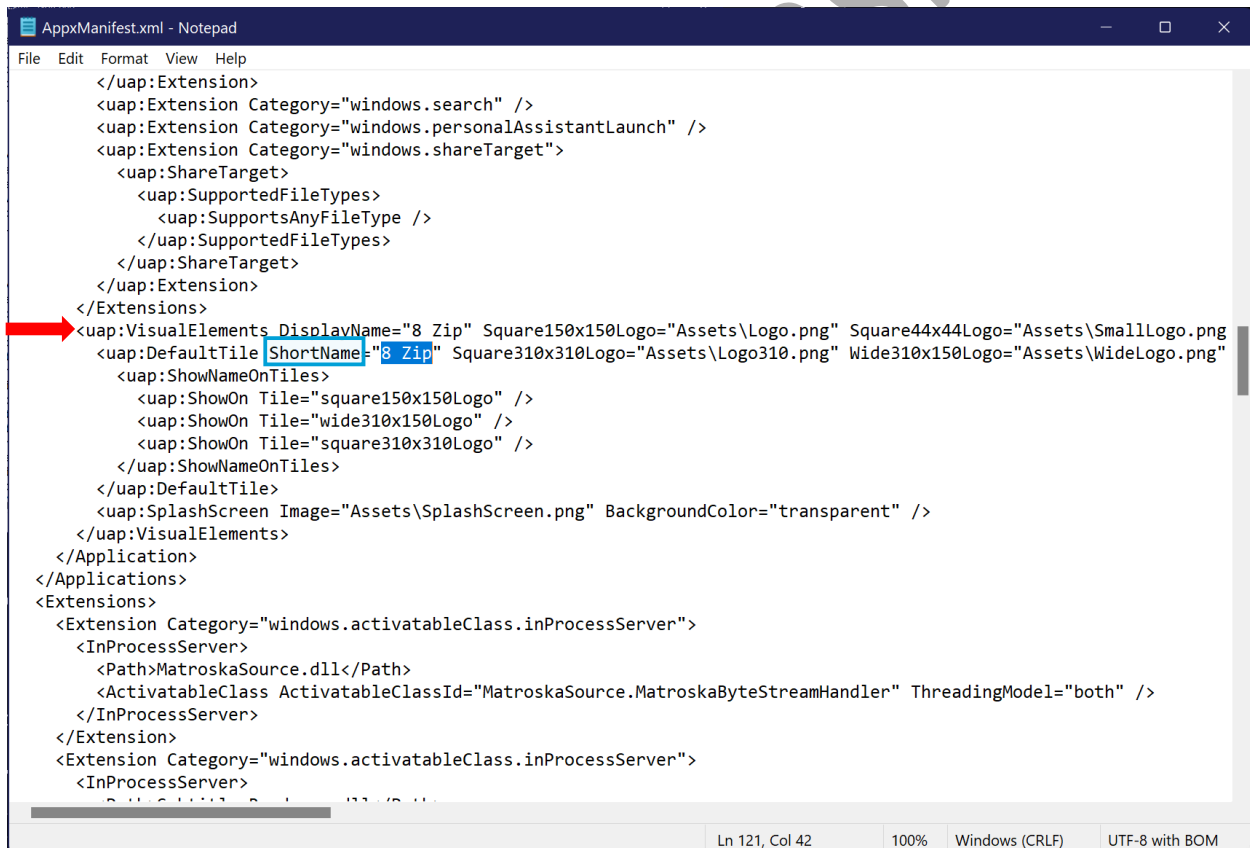
Using this edit, you can edit the name of the app shown in Medium & Wide tiles of the Application you want to edit.

> Open "**AppxManifest.xml**" file

> Find "**ShortName**" inside the "**VisualElements**" tag.

HINT !

Use "**CTRL + F**" to find this if you are having a hard time locating it in manifest file



```

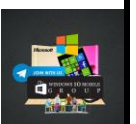
AppxManifest.xml - Notepad
File Edit Format View Help
</uap:Extension>
<uap:Extension Category="windows.search" />
<uap:Extension Category="windows.personalAssistantLaunch" />
<uap:Extension Category="windows.shareTarget">
  <uap:ShareTarget>
    <uap:SupportedFileTypes>
      <uap:SupportsAnyFileType />
    </uap:SupportedFileTypes>
  </uap:ShareTarget>
</uap:Extension>
</Extensions>
<uap:VisualElements DisplayName="8 Zip" Square150x150Logo="Assets\Logo.png" Square44x44Logo="Assets\SmallLogo.png"
  <uap:DefaultTile ShortName="8 Zip" Square310x310Logo="Assets\Logo310.png" Wide310x150Logo="Assets\WideLogo.png"
    <uap:ShowNameOnTiles>
      <uap:ShowOn Tile="square150x150Logo" />
      <uap:ShowOn Tile="wide310x150Logo" />
      <uap:ShowOn Tile="square310x310Logo" />
    </uap:ShowNameOnTiles>
  </uap:DefaultTile>
  <uap:SplashScreen Image="Assets\SplashScreen.png" BackgroundColor="transparent" />
</uap:VisualElements>
</Application>
</Applications>
<Extensions>
  <Extension Category="windows.activatableClass.inProcessServer">
    <InProcessServer>
      <Path>MatroskaSource.dll</Path>
      <ActivatableClass ActivatableClassId="MatroskaSource.MatroskaByteStreamHandler" ThreadingModel="both" />
    </InProcessServer>
  </Extension>
  <Extension Category="windows.activatableClass.inProcessServer">
    <InProcessServer>

```

Change the text inside the quotes (Highlighted area in the pic) to the name you want to give to the application.

Then save the file & proceed to next edits or Repack the Package to Install.

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How to Change App Tile Colors

This manifest edit will let you change the App List & Start Tile Colors of an Application.

NOTICE !

This edit will work only if the Tile Assets in “Assets” folder are Transparent

> Open “AppxManifest.xml” file

> Find “BackgroundColor” inside the “VisualElements” tag

HINT !

Use “CTRL + F” to find this if you are having a hard time locating it in manifest file



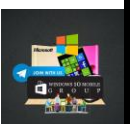
```

AppxManifest.xml - Notepad
File Edit Format View Help
</uap:FileTypeAssociation>
</uap:Extension>
<uap:Extension Category="windows.search" />
<uap:Extension Category="windows.personalAssistantLaunch" />
<uap:Extension Category="windows.shareTarget">
  <uap:ShareTarget>
    <uap:SupportedFileTypes>
      <uap:SupportsAnyFileType />
    </uap:SupportedFileTypes>
  </uap:ShareTarget>
</uap:Extension>
</Extensions>
<uap:VisualElements DisplayName="8 Zip" Square150x150Logo="Assets\Logo.png" Square44x44Logo="Assets\SmallLogo.png" Description="8 Zip" BackgroundColor="transparent">
  <uap:DefaultTile ShortName="8 Zip" Square310x310Logo="Assets\Logo310.png" Wide310x150Logo="Assets\WideLogo.png" Square71x71Logo="Assets\Logo71.png">
    <uap:ShowNameOnTiles>
      <uap:ShowOn Tile="square150x150Logo" />
      <uap:ShowOn Tile="wide310x150Logo" />
      <uap:ShowOn Tile="square310x310Logo" />
    </uap:ShowNameOnTiles>
  </uap:DefaultTile>
  <uap:SplashScreen Image="Assets\SplashScreen.png" BackgroundColor="transparent" />
</uap:VisualElements>
</Application>
</Applications>
<Extensions>
  <Extension Category="windows.activatableClass.inProcessServer">
    <InProcessServer>
      <Path>MatroskaSource.dll</Path>
      <ActivatableClass ActivatableClassId="MatroskaSource.MatroskaByteStreamHandler" ThreadingModel="both" />
    </InProcessServer>
  </Extension>

```

Now let's see what values you can put in there ;

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Transparent (System Accent)

The Application will follow the System accent, means the tiles will match with the System Accent Color.

How to :- Just type “transparent” as the BackgroundColor Value

BackgroundColor="transparent"

Color names

You can also set the background color of the tiles to a common color name.

BackgroundColor="black"

How to :- Just type “COLORNAME” like black, white, red, etc....

BackgroundColor="white"

IMPORTANT NOTE !

When entering either “transparent” or a color name, use all lower case to type !!

Hex Color Codes

If you want to go with more advanced color options, then Hex Codes is what you need.

BackgroundColor="#212121"

You can find the hex color codes with a single web search or use the attached W10 accent values below.

BackgroundColor="#D13438"

How to :- Simple type “#hexCODE” as the BackgroundColor Value

#D13438 #D13438	#4B6860	#4A5459	#5D5A58	#E81123 #E81123	#DA3B01 #DA3B01	#CA5010 #CA5010	#FF8C00	#107C10	#10893E #10893E	#018574 #018574	#038387 #038387
#FF4343	#567C73 #567C73	#69797E #69797E	#7A7574 #7A7574	#E74856	#EF6950	#F7630C	#FFB900	#498205 #498205	#00CC6A	#00B294	#0087C3
#2D7D9A #2D7D9A	#0063B1	#6B69D6 #6B69D6	#744DA9	#881798	#9A0089	#BF0077	#C30052	#525E54	#7E735F #7E735F	#515C68	#4C4A48
#0099BC	#0078D7 #0078D7	#8E8CD8	#876488 #876488	#B146C2 #B146C2	#C239B3 #C239B3	#E3008C #E3008C	#EA005E #EA005E	#647C64 #647C64	#847545 #847545	#68768A #68768A	#767676 #767676



How to Change Splash Screen Color

This edit will let you specify the Color of the Splash Screen of the Application.

NOTICE !

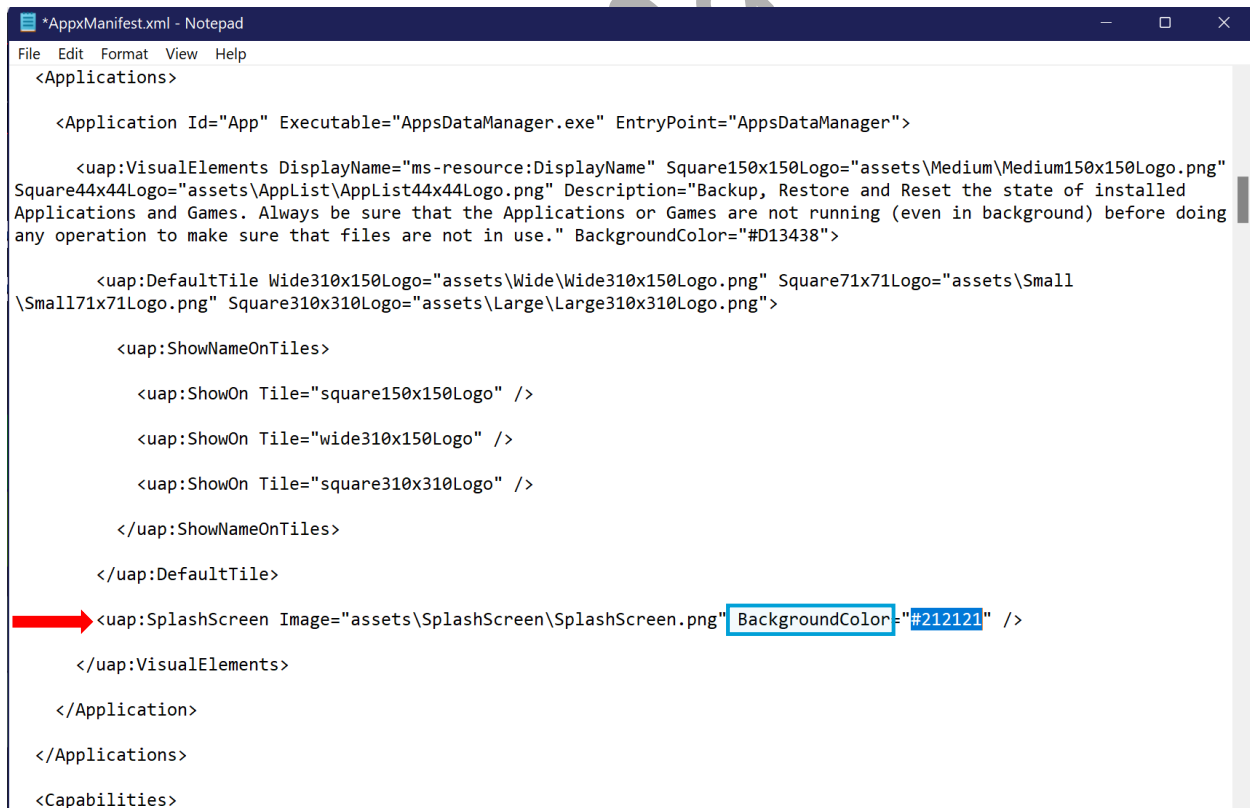
Not every apps have splash screens, but you can add one to every app, see the next topic.

> Open "**AppxManifest.xml**" file

> Find "**BackgroundColor**" inside the "**uap:SplashScreen**" tag (see pic carefully)

HINT !

Use "**CTRL + F**" to find this if you are having a hard time locating it in manifest file



```

*AppxManifest.xml - Notepad
File Edit Format View Help
<Applications>

  <Application Id="App" Executable="AppsDataManager.exe" EntryPoint="AppsDataManager">

    <uap:VisualElements DisplayName="ms-resource:DisplayName" Square150x150Logo="assets\Medium\Medium150x150Logo.png"
    Square44x44Logo="assets\Applist\Applist44x44Logo.png" Description="Backup, Restore and Reset the state of installed
    Applications and Games. Always be sure that the Applications or Games are not running (even in background) before doing
    any operation to make sure that files are not in use." BackgroundColor="#D13438">

      <uap:DefaultTile Wide310x150Logo="assets\Wide\Wide310x150Logo.png" Square71x71Logo="assets\Small
      \Small71x71Logo.png" Square310x310Logo="assets\Large\Large310x310Logo.png">

        <uap:ShowNameOnTiles>

          <uap:ShowOn Tile="square150x150Logo" />

          <uap:ShowOn Tile="wide310x150Logo" />

          <uap:ShowOn Tile="square310x310Logo" />

        </uap:ShowNameOnTiles>

      </uap:DefaultTile>

      <uap:SplashScreen Image="assets\SplashScreen\SplashScreen.png" BackgroundColor="#212121" />

    </uap:VisualElements>

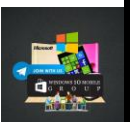
  </Application>

</Applications>

<Capabilities>
  
```

Now let's see what values you can put in there ;

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Transparent (System Theme)

The Application will follow the System theme, means the splash screen will match with the System Theme ; Black for Dark Theme & White to Light Theme

How to :- Just type “transparent” as the BackgroundColor Value

BackgroundColor="transparent"

Color names

You can also set the background color of the Splash Screen to a common color name.

How to :- Just type “colorname” like black, white, red, etc....

BackgroundColor="black"

BackgroundColor="white"

IMPORTANT NOTE !

When entering either “transparent” or a color name, use all lower case to type !!

Hex Color Codes

If you want to go with more advanced color options, then Hex Codes is what you need.

You can find the hex color codes with a single web search or use the attached W10 accent values below.

BackgroundColor="#212121"

BackgroundColor="#D13438"

How to :- Simple type “#hexCODE” as the BackgroundColor Value



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How to add a Splash Screen to Apps

Most apps including In-Built Apps like Phone, Messaging, people, etc.. don't have Splash Screens, but with this edit, you can add one to any UWP app you want.

> Open "AppxManifest.xml" file

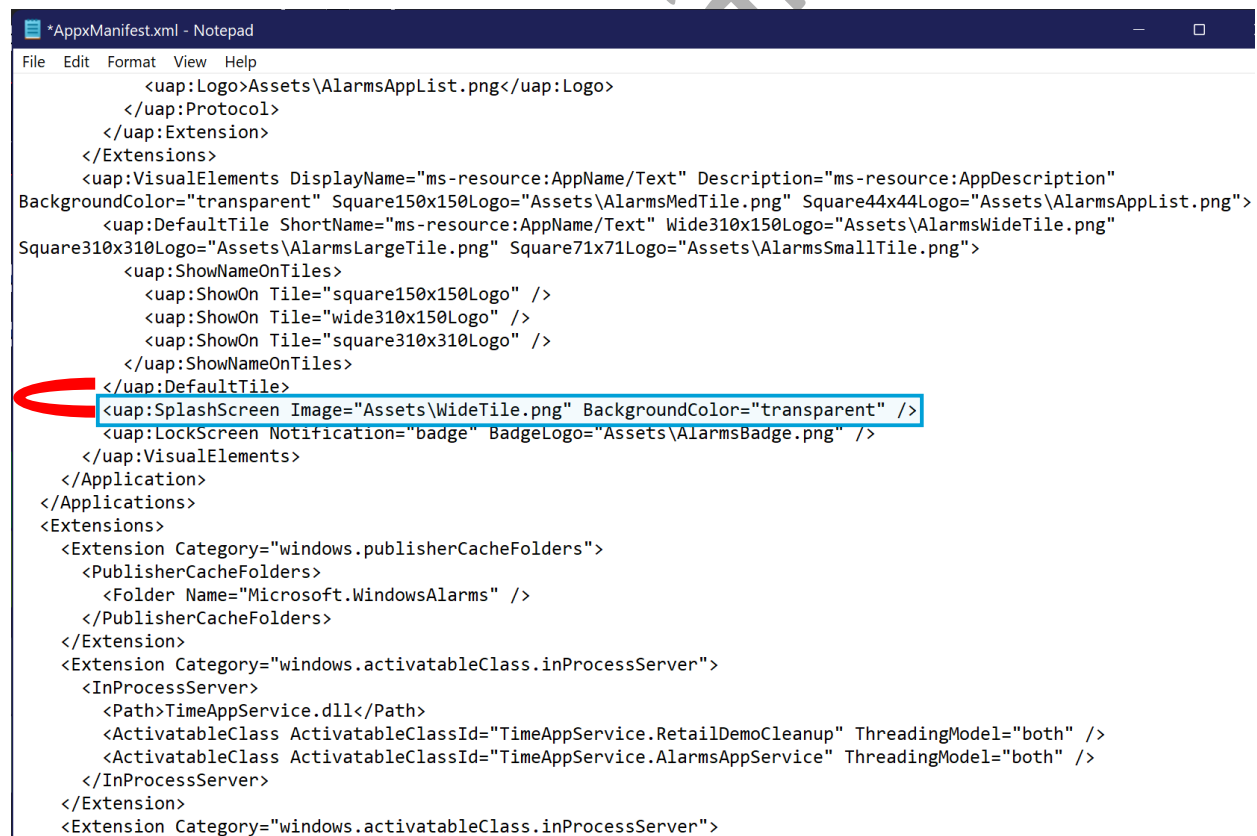
> Find "</uap:DefaultTile>"

Copy and paste this line right under </uap:DefaultTile>

```
<uap:SplashScreen Image="Assets\WideTile.png" BackgroundColor="transparent" />
```

NOTICE !

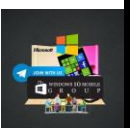
The two lines should be perfectly aligned to each other with equal spaces.



```
*AppxManifest.xml - Notepad
File Edit Format View Help
<uap:Logo>Assets\AlarmsAppList.png</uap:Logo>
</uap:Protocol>
</uap:Extension>
</Extensions>
<uap:VisualElements DisplayName="ms-resource:AppName/Text" Description="ms-resource:AppDescription"
BackgroundColor="transparent" Square150x150Logo="Assets\AlarmsMedTile.png" Square44x44Logo="Assets\AlarmsAppList.png">
  <uap:DefaultTile ShortName="ms-resource:AppName/Text" Wide310x150Logo="Assets\AlarmsWideTile.png"
Square310x310Logo="Assets\AlarmsLargeTile.png" Square71x71Logo="Assets\AlarmsSmallTile.png">
    <uap:ShowNameOnTiles>
      <uap:ShowOn Tile="square150x150Logo" />
      <uap:ShowOn Tile="wide310x150Logo" />
      <uap:ShowOn Tile="square310x310Logo" />
    </uap:ShowNameOnTiles>
  </uap:DefaultTile>
  <uap:SplashScreen Image="Assets\WideTile.png" BackgroundColor="transparent" />
  <uap:LockScreen Notification="badge" BadgeLogo="Assets\AlarmsBadge.png" />
</uap:VisualElements>
</Application>
</Applications>
<Extensions>
  <Extension Category="windows.publisherCacheFolders">
    <PublisherCacheFolders>
      <Folder Name="Microsoft.WindowsAlarms" />
    </PublisherCacheFolders>
  </Extension>
  <Extension Category="windows.activatableClass.inProcessServer">
    <InProcessServer>
      <Path>TimeAppService.dll</Path>
      <ActivatableClass ActivatableClassId="TimeAppService.RetailDemoCleanup" ThreadingModel="both" />
      <ActivatableClass ActivatableClassId="TimeAppService.AlarmsAppService" ThreadingModel="both" />
    </InProcessServer>
  </Extension>
</Extension Category="windows.activatableClass.inProcessServer">
```

Now need to change it's values to fit with the Application ;

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SplashScreen Image

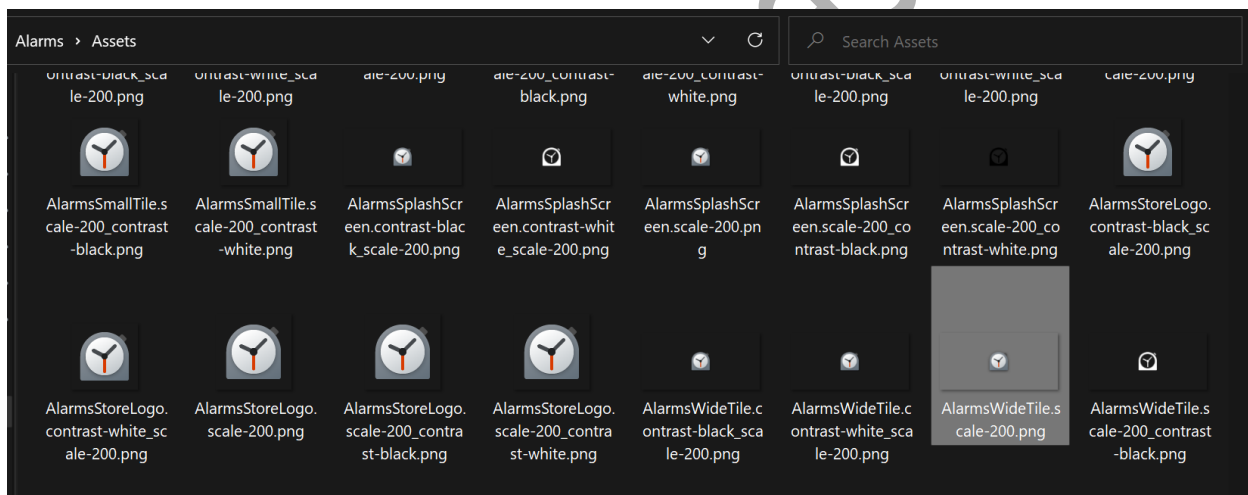
```
<uap:SplashScreen Image="Assets\WideTile.png" BackgroundColor="transparent" />
```

Since the app doesn't have Splash Screen Assets, we are gonna set WideTile assets as the Splash Screen Assets.

> Go to "Assets" folder and find the WideTile PNG of the Application.

> Copy it's name, cut down the ".scale-xxx" part & paste it in AppxManifest (Change the path too if it's in a sub folder inside "Assets" folder)

Example :- Alarms app has the WideTile Assets in "Assets" folder with the name of "AlarmsWideTile.scale-200.PNG".



Then the value will be ;

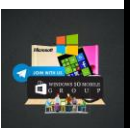
```
<uap:SplashScreen Image="Assets\AlarmsWideTile.png" BackgroundColor="transparent" />
```

BackgroundColor

```
<uap:SplashScreen Image="Assets\WideTile.png" BackgroundColor="transparent" />
```

Then you might want to change Splash Screen Color.

Look in the "[How to Change Splash Screen Color](#)" heading to modify it if needed.



How to Repack the Modified Application

Following any of the above Manifest Edits, you are going to need to repack the package to a Appx/Bundle File to be able to Install it in your Device

Then you can use that package to install that modified Application to any device.

You can get to know about repacking via the below guide.

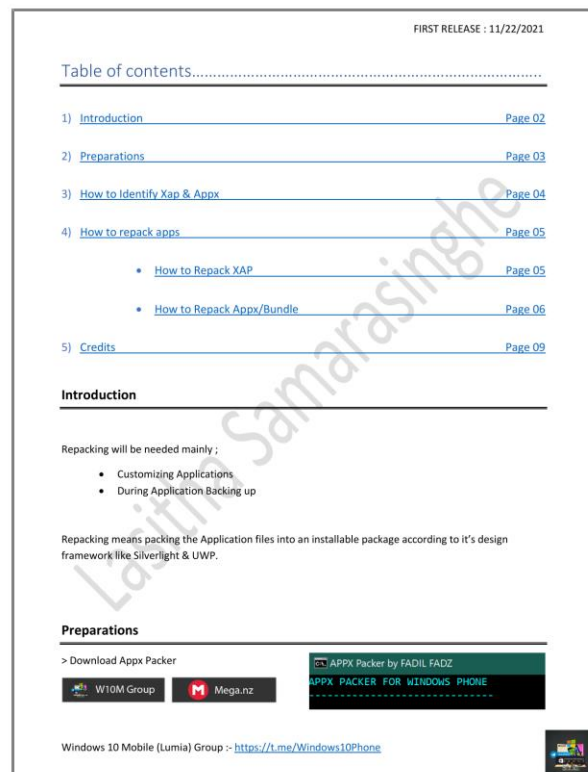
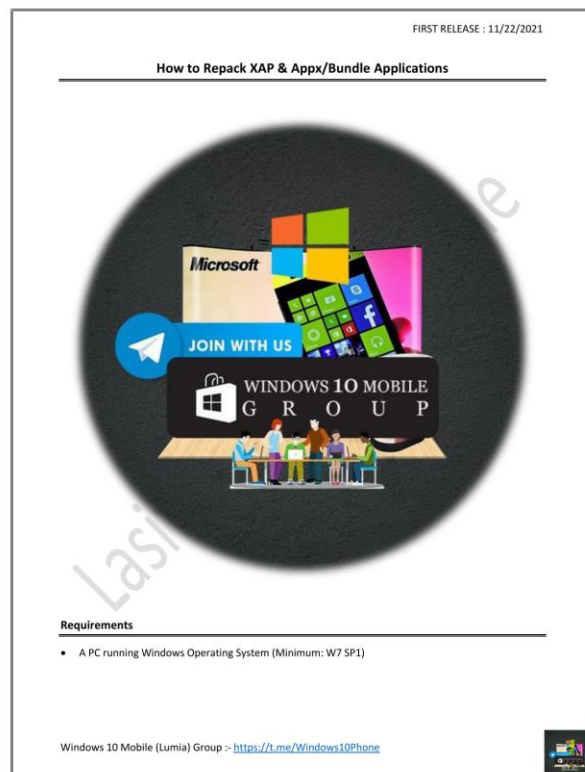
How to Repack W10M Applications



W10M Group



Mega.nz



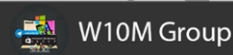
#Related Guides

The below Guide will explain the easiest procedure to change Application Assets.

That means the procedure in the Guide doesn't need ;

- A PC
- Bootloader Unlock NOR Mass Storage Mode
- Uninstalling the app.

How to Change UWP Application Tile Assets



LAST UPDATED : 1/12/2022

How to Change UWP Application Tile Assets

Requirements

- Interop Unlocked Windows 10 Mobile Device

Interop Unlock Guides

How to Interop unlock Non-X50 Lumia :	W10M Group	Mega.nz
How to Interop unlock X50 Lumia :	W10M Group	Mega.nz
How to Interop unlock Other OEM :	W10M Group	Mega.nz

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LAST UPDATED : 1/12/2022

Table Of Contents.....

1) Introduction	Page 02
2) Preparations	Page 03
3) #NOTE: Before Changing Assets.....	Page 03
4) How to change Application Assets	Page 04
5) How to Change System Application Assets	Page 07
6) How to Customize Applications more....	Page 09
7) Additional Notes	Page 10
8) Credits	Page 10

Introduction

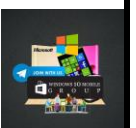
The purpose of this Guide is to explain the user the easiest method to Change Application Assets without Bootloader unlock or Uninstalling the app.

Application Tile assets means the visual images used in apps to display in Tiles, App list & in Splash Screen.

BEAWARE : This Guide is solely on how to change Tile assets, means it won't explain any manifest edits like changing Name, Tile color, splash color and such....

For them, look in "How to Customize Application more...." Heading.

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Additional Notes

- To Install the modified Packages, you will need to **Interop Unlock** your device.

Credits

- ✓ Fadil Fadz for AppxPacker

Thank you !



_____*Lasitha Samarasinghe*_____

